

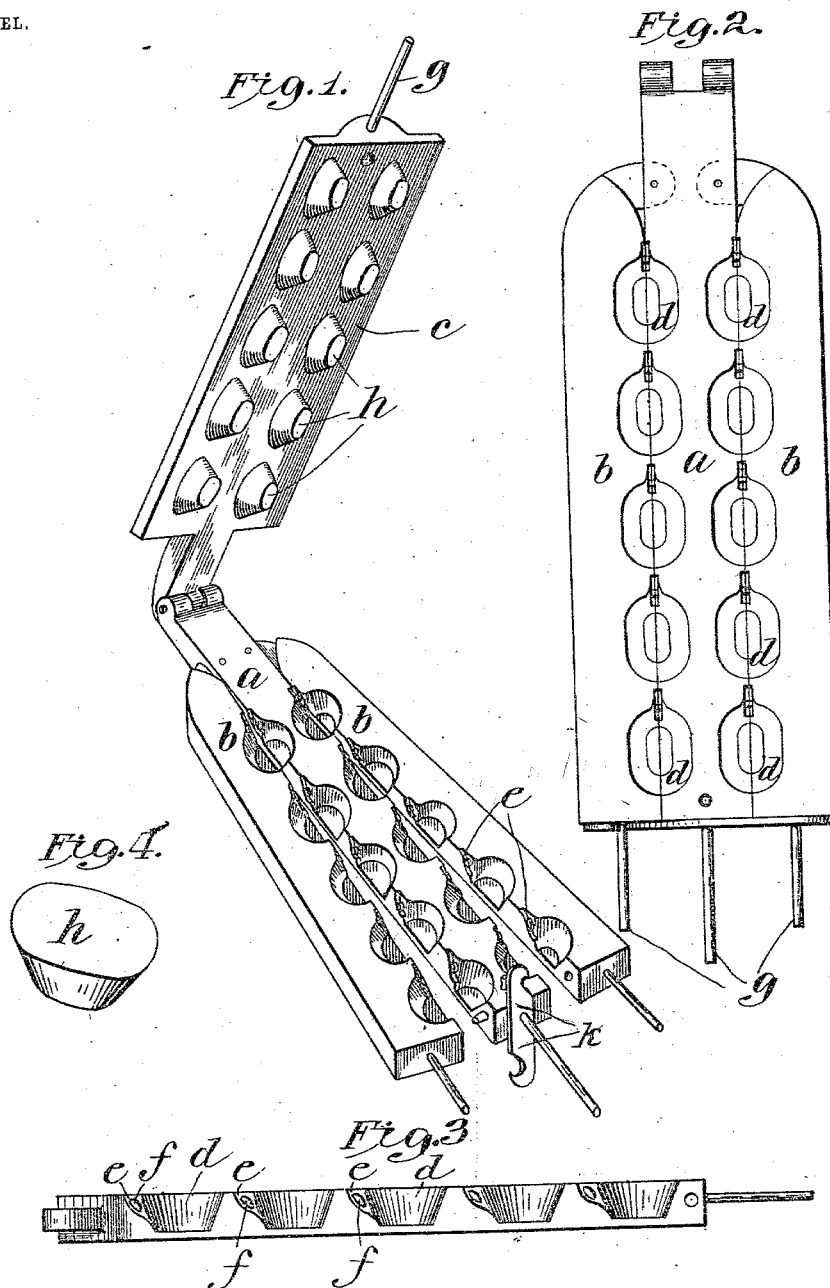
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I. MARCHIONY.
MOLD.

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NO MODEL.



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MOLD.

SPECIFICATION forming part of Letters Patent No. 746,971, dated December 15, 1903.

Application filed September 22, 1903. Serial No. 174,143. (No model.)

To all whom it may concern:

Be it known that I, ITALO MARCHIONY, a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Molds, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

This invention relates to molding apparatuses, and particularly such molding apparatuses as are used in the manufacture of ice-cream cups and the like. In such apparatuses it is desirable that the molds be constructed so as to permit the cups, &c., which are usually made from a specially-prepared paste, to be readily extracted therefrom without injury as soon as they are formed. Heretofore it has been customary to form the molds between adjacent blocks constituting the molding apparatus, in which when the molding had taken place the blocks were separated and the contents of the molds, which had become dry and crisp, were removed.

The object of this invention is to provide an improved apparatus of this nature—that is, where the molds are formed between adjacent blocks—which apparatus shall be particularly convenient to manipulate and in which it will be possible to mold such substances as the paste above referred to in particular and unusual shapes which have not been molded heretofore on account of delicacy of the substance molded and the difficulty of forming and extracting the same from the molds.

In the accompanying drawings, Figure 1 is a perspective view of a molding apparatus embodying the invention, the several blocks constituting the same being separated. Fig. 2 is a plan view of the apparatus with the cover-block removed and the remaining blocks fastened together. Fig. 3 is a view in side elevation of one of the blocks in which the molds are formed, and Fig. 4 is a perspective view of one of the formers for the molds.

In the particular embodiment of the invention shown in the drawings the apparatus is made up of four blocks—a central block *a*, two side blocks *b*, and the top block *c*; but it will be obvious as the description proceeds that a different number of blocks may be em-

ployed, if desired. The central block *a* has pivoted or hinged to it at one end the side blocks *b* and the top block *c*, as clearly shown in Fig. 1. The molds *d*, which may be any number and of different shapes or all of the same shape, as desired, are formed between the adjacent sides of the central block and each of the side blocks, as shown more particularly in Figs. 2 and 3. In these blocks the sides of the molds are formed, while formers *h* are provided to cooperate with the molds to form the interior of the cup or other article molded. These formers may be placed in the molds by hand when the molding is being effected, or they may be attached to the cover, as shown in Fig. 1. It will be obvious that these formers may be variously shaped or just plain, as shown. In accordance with the invention each of the molds is provided with a recess *e*, which is also formed between adjacent blocks, and in this recess two lugs *f*—one upon each of the adjacent blocks—are formed. These lugs are constructed and disposed with respect to each other so that when the blocks are brought together the lugs in said recess will register and touch each other, and thereby form in the substance being molded a hole within the narrow portion thereof which is molded within the recess.

The molds *d* shown in the drawings are cup-shaped, and the recess *e* serves to form upon the substance molded a handle or projection, while the lugs *f* form a hole in this handle or projection. Upon the separation of the blocks the withdrawal of the article or substance which has been formed in the mold is readily permitted, notwithstanding the delicacy or crispness of the substances molded and the narrowness of the handle or projection which has been molded in one of the recesses *e* with a hole therein.

The free ends of the blocks are provided with pins or handles *g*, whereby the blocks are conveniently manipulated. The pin or handle secured in the central block *a* is free to turn therein and has secured thereto a double catch *k*, which is adapted to engage and disengage simultaneously both the pins in the side blocks *b*, according as the pin in the block *a* is turned in one direction or the other. In this way the side blocks are readily fastened

and unfastened from the central block, as required.

When the apparatus is used for molding, the side blocks are first secured to the central block in the manner just described, the cover is raised, and the substance to be molded is placed carelessly in the several molds, filling them to a certain predetermined extent. The cover-block is then pressed down upon the other blocks, thus bringing the formers into place and causes the substance in the molds to fill every part of the same. After the molding has taken place, which will generally be effected by cooking, the blocks are separated and the molded articles drop out. If the formers are not attached to the cover, they are put in place by hand before the cover is brought down, as will be obvious.

I claim as my invention—

1. A molding apparatus for forming ice-cream cups and the like, comprising a plurality of blocks hinged together at one end and in which the molds are formed between adjacent blocks, means to fasten the blocks together, a top block or cover hinged at the same end to one of the blocks to form the top of the molds, and formers to cooperate with the molds, substantially as described.

2. A molding apparatus for forming ice-cream cups and the like, comprising a central block, a block hinged to the central block upon each side and at one end thereof, a top block also hinged to the central block at the same end, the said blocks having molds formed between them, formers to cooperate with the molds, and means to fasten the side blocks to the central block at the free ends of these blocks, substantially as described.

3. A molding apparatus for forming ice-cream cups and the like, comprising a central block, a side block hinged to the central block upon each side and at one end thereof, said blocks having molds formed between them, a top block having formers to cooperate with the molds also hinged to the central block at the same end, pins in the free ends of the side blocks, and a double catch pivoted in the corresponding end of the central block and adapted to engage simultaneously the two pins in the side blocks to fasten these blocks to the central block, substantially as described.

4. A molding apparatus comprising a plurality of blocks hinged together and having a mold formed between two adjacent blocks, said mold having a recess formed between said adjacent blocks, and lugs formed upon said adjacent blocks within said recess, substantially as and for the purpose specified.

5. A molding apparatus comprising a plurality of blocks hinged together and shaped so as to form the two sides and the top of a mold, said mold having a recess formed between the side blocks, and a lug on each side block within the recess, the lug on one block registering with and touching the lug upon the other block when the blocks are brought together to form the mold, substantially as and for the purpose specified.

This specification signed and witnessed this 18th day of September, A. D. 1903.

ITALO MARCHIONY.

In presence of—

JOHN M. SCOLLE,

M. A. BRAYLEY.